

Sureline® TECH-TIPS

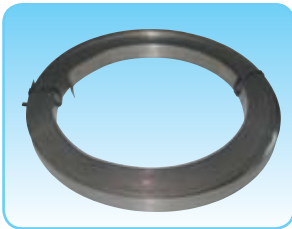
Practical tips for customers working with SURELINE® steel poles.

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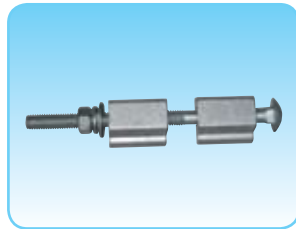
Banding and strapping of poles

Banding or strapping can be used to fix attachments to poles as an alternative to drilling and standard industry components are readily available from industry stockists.

The S/S strapping can be fixed with permanent or non-permanent clamps:



S/S strapping – 19mm x 30m roll



Re-usable clamp



Non re-usable clamp

In 2006 BlueScope Steel undertook load testing of a commonly available pole band to understand the performance of bands on straight sided poles.

Banding and strapping of poles

To confirm pole strapping provided sufficient grip on SURELINE® steel poles, Bullivants* were engaged to test the load capacity on a banded Pigtail hook strapped to a SURELINE® steel pole. The following standard strapping and Pigtail hooks were applied to the pole:



Testing Rig



Testing Rig



Pole testing rig (bolted hook)



Pole testing rig (banded hook)

Vertical loads were placed on the banded Pigtail hook fitted to the SURELINE® steel pole. Loading commenced at 100kg and increased at 50kg increments up to 300kg.

- At 100kg there was no band slippage.
- At 150kg the top band moved downward 1mm and the lower band 3mm.
- At 200kg there was only slight downward movement in the lower band.
- At 250kg there was no band movement but the Pigtail hook began to deform.
- At 300kg the upper base plate of the Pigtail hook commenced permanent yield.

Overall downward slippage by the band was not significant and banding should still be considered as an alternative to drilling if preferred. It is recommended that tape be placed under any stainless steel band before application. This will separate the stainless steel from the hot dip galvanised pole and prolong the working life of the coating (hot dip galvanised coatings perform sacrificially in preference to stainless steel).

About Bullivants

Since 1891 Bullivants has played a major part in pioneering the production, distribution and servicing of lifting, rigging and safety gear in Australia. Bullivants supplies, installs, manufactures, tests, inspects, trains in safe use, hires and repairs lifting equipment. For more information on Bullivants range of products call 1300 722 999.

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